## Energy Data

| Sources | Unit | Scope | FY2024 | |
|---|---|---|---|---|
| Crude oil equivalent | kL | Japan | 100,161 | |
| | | Outside Japan | 145,174 | |
| | | Global total | 245,334 | ★ |
| Scope1 | t-CO2 | Japan | 143,050 | |
| | | Outside Japan | 225,683 | |
| | | Global total | 368,733 | ★ |
| Scope2 | t-CO2 | Japan | 25,515 | |
| | | Outside Japan | 163,318 | |
| | | Global total | 188,833 | ★ |
| Scope3 Category1 *1 | t-CO2 | | 698,157 | ★ |
| Energy consumption | GJ | | 9,556,734 | ★ |
| Electricity | thousand kWh | Japan | 56,694 | |
| | | Outside Japan | 322,249 | |
| | | Global total | 378,943 | |
| CO2 free electricity | thousand kWh | Japan | 262,043 | |
| | | Outside Japan | 145,655 | |
| | | Global total | 407,698 | |
| City gas | thousand m3 | Japan | 30,957 | |
| | | Outside Japan | 42,594 | |
| | | Global total | 73,551 | |
| Coal | t | Japan | - | |
| | | Outside Japan | 61,532 | |
| | | Global total | 61,532 | |
| Steam *2 | t | Japan | 124,323 | |
| | | Outside Japan | 166,801 | |
| | | Global total | 291,124 | |
| LNG | t | Japan | 18,992 | |
| | | Outside Japan | - | |
| | | Global total | 18,992 | |
| A HFO | kL | Japan | 1,880 | |
| | | Outside Japan | - | |
| | | Global total | 1,880 | |
| LPG | t | Japan | 5,023 | |
| | | Outside Japan | 46 | |
| | | Global total | 5,069 | |
| Diesel | kL | Japan | 16 | |
| | | Outside Japan | 1,355 | |
| | | Global total | 1,371 | |
| Kerosene | kL | Japan | 127 | |
| | | Outside Japan | - | |
| | | Global total | 127 | |
| Gasoline | kL | Japan | 43 | |
| | | Outside Japan | - | |
| | | Global total | 43 | |
| Steam(non industrial) *3 | GJ | Japan | 985 | |
| | | Outside Japan | - | |
| | | Global total | 985 | |
| Hot water | GJ | Japan | 190 | |
| | | Outside Japan | 1,238 | |
| | | Global total | 1,428 | |
| Cold water | GJ | Japan | 4,942 | |
| | | Outside Japan | - | |
| | | Global total | 4,942 | |
| Solar power | thousand kWh | Japan | 6,809 | |
| | | Outside Japan | 17,786 | |
| | | Global total | 24,595 | |
| Biomass power | t | Japan | - | |
| | | Outside Japan | 12,142 | |
| | | Global total | 12,142 | |

Boundary of the disclosure data
The following sites of consolidated subsidiaries of Otsuka Holdings , that have production bases are included in the boundary.
Japan : factories, laboratories, head office divisions, sales bases, resort facilities
Outside Japan：factories
Excluding manufacturing sites in other companies' premises
Scope3 Category 1 is not included in the scope of this boundary.

*1 : Five group companies : Otsuka Pharmaceutical, Otsuka Pharmaceutical Factory, Taiho Pharmaceutical, Otsuka Chemical, and Otsuka Foods (all Non-Consolidated)
Emissions from raw materials and parts, purchased products, and materials related to sales until they are manufactured.
Otsuka Pharmaceutical's boundary does not include items (mainly imported supplements) other than diagnostic kits among the items procured by the business divisions.
Otsuka Foods's boundary does not include imported items (drinking water and wine) procured by the business divisions.

Steam and Cogeneration system
*2 and *3: Steam is mainly used at production bases, and Steam(non industrial) is mainly used at sales bases.
The amount of electricity and steam for sales to outside parties by the cogeneration system is deducted from the emission amount.

GHG emissions calculations
[Fuel and Heat]
Calculation method: (Annual consumption of fuel/heat) × CO2 emission factor for each energy
Japan : Emission factors stipulated by Act on Promotion of Global Warming Countermeasures (hereinafter referred to as the "Global Warming Law")
Outside Japan: Emission factors obtained from fuel suppliers or emission factors determined by Global Warming Law

[Electricity]
Calculation method: Annual power consumption x CO2 emission factor
Japan: Adjusted Emission Factors by Electricity Utility and Menu Published by the Ministry of the Environment and the Ministry of Economy, Trade and Industry under the Global Warming Law
Outside Japan: Emission factors by electric power company obtained locally, in principle, and if not available, country-specific emission factors disclosure by IEA (Emission Factors 2024)

[Scope 3 Category 1]
Calculation method: In principle , calculation is based on the amount of materials.
If the amount of materials data is not available, calculation is based on the amount of money.
And the calculation is performed by the amount of activity of each item × emission intensity.
Factors : Database for calculating an organization's greenhouse gas emissions through its supply chain ver.3.5 published in March 2025 by the Ministry of the Environment

GHG emissions quantification is subject to uncertainty when measuring activity data, determining emission factors, and considering scientific uncertainty inherent in the Global Warming Potentials.

Calculation of crude oil equivalent
In accordance with Act on Rationalizing Energy Use,
the amount of crude oil converted into the amount of heat converted 10GJ is converted into 0.258kL
Heat conversion of electricity consumption is calculated using a conversion factor 3.6MJ/kWh based on secondary energy consumption.

Of the indicators disclosed on this website , those marked with star ★ have received independent assurance from KPMG AZSA Sustainability Co., Ltd.
Independent Practitioner's Limited Assurance Report